

## INGESTIBLES POSSESSING INTRINSIC COLOR CHANGE

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### ABSTRACT OF THE DISCLOSURE

Ingestible compositions comprising a chromic change agent together with methods of making and using them are provided. The chromic change agent alternatively may be associated with the ingestible, such as a packaging material for the ingestible. In response to a triggering event, physical or chemical, the chromic change agent changes color to provide information as to the history of the ingestible, either prior or contemporaneous with use. Depending on the use, the color change agent may be reversible or irreversible. Various solid or liquid ingestible compositions are provided for determining ingestible temperature, storage temperature, user temperature, light exposure, pH change, hydration or solvation change, mechanical stress, and the like, particularly in comestibles. Of particular interest are polydiacetylene polymers that may be formulated to provide compositions having numerous different color transition triggering mechanisms. The invention is also related to other chromic change agents that may be incorporated into ingestibles.

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